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Apr 20, 2001

DERWENT-ACC-NO: 2001-352446
DERWENT-WEEK: 200137
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TITLE: Method of black plate production

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PRIORITY-DATA: 1999RU-0118933 (August 30, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
RU 2165465 C1	April 20, 2001		000	C21D009/48

INT-CL (IPC): C21 D 8/04; C21 D 9/48; C21 D 11/00

ABSTRACTED-PUB-NO: RU 2165465C

BASIC-ABSTRACT:

NOVELTY - Method includes continuous casting of slabs from steel reduced with aluminum, hot rolling and coiling of strip into coils at temperature of 690-730 deg. C, cold rolling, recrystallization annealing in bell-type furnace with set value of temperature, as referred to bell temperature of 40-70 deg. C above point Ac1.

DETAILED DESCRIPTION - Upon attaining of set temperature, it is reduced by 80-100 deg. C, let to stand to attain temperature as referred to stand thermocouple of 30-70 deg. C above beginning of recrystallization, then again held for at least 8 hour, cooled under heating bell with shutoff burners for 4-6 hour, and then under shuffle to temperature of unpacking and in the air to temperature of temper rolling.

USE - Metallurgy, particularly, steel rolled stock; applicable in production of low-carbon strip steel for cold deformation and plate of low hardness.

ADVANTAGE - Production of black plate of low hardness with reduced consumption of energy carriers for its production. 1 tbl, 1 ex

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EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/0